Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Tuesday 24 Dec 2024 until 23:59 on Wednesday 25 Dec 2024

Forecast Issued on Monday 23 Dec 2024 at 12:15

Confidence: Generally high confidence, lower for detail of cloud cover at times over the coming days.

Headline for Tuesday 24 Dec 2024: Cloudy with outbreaks of rain and drizzle.

Mountain weather hazards on Tuesday 24 Dec 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Dull	Light rain	Light rain	Drizzle	Drizzle	Drizzle	Dull	Dull
Precipitation probability							
30%	60%	60%	40%	60%	40%	30%	30%

Forecast for Tuesday 24 Dec 2024

Weather: Extensive low cloud through the overnight period with outbreaks of light rain. Cloud lingering throughout the day with rain or drizzle at times. Cloud perhaps starting to break up during the evening.

Chance of cloud-free hill tops above 800m: 10%

Low cloud and visibility: Extensive low cloud base 400-600m, perhaps lowering further at times. Cloud starting to lift and break late evening. Visibility very poor in hill fog, at lower levels moderate in rain or drizzle, improving in drier interludes.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2024. All Rights Reserved.

Mountain Weather Forecast

Forecast for Tuesday 24 Dec 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	24/29 W	27/33 SW	27/33 SW	27/33 SW	26/32 SW	24/31 SW	23/29 SW	26/34 SW	25/33 SW
600	20/29 W	19/28 SW	23/32 W	21/30 SW	18/25 SW	18/25 SW	18/24 SW	22/31 SW	21/29 SW
300	7/22 W	6/22 SW	8/24 W	9/24 W	8/22 SW	8/21 SW	8/21 SW	11/25 SW	10/24 SW
Valley	7/19 W	5/17 W	8/22 W	8/21 W	7/18 SW	8/19 SW	10/21 SW	13/25 SW	12/24 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	6/1	6/1	6/1	6/1	6/0	6/1	6/0	5/-1	4/-1
600	7/3	7/3	8/3	8/3	7/3	7/3	7/3	6/2	6/1
300	8/6	8/7	9/7	9/6	9/7	8/6	8/6	8/5	8/5
Valley	9/8	9/8	10/8	10/8	10/8	10/8	10/8	10/7	10/7
Freezing Level*	2600m	2600m	2700m	2600m	2600m	2400m	2400m	2300m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View
Generally poor visibility at height.

Forecast for Wednesday 25 Dec 2024
Weather: Cloudy with a little drizzle during the overnight period. Cloud lingering through the day but generally brighter than Tuesday. Mainly dry but perhaps the odd spot of drizzle from any thicker cloud.

Maximum wind: Southwest 10-15 mph, gusting 25-30 mph

Chance of cloud-free hill tops above 800m: 30-40%

Low cloud and visibility: Scattered cloud base 500-700m. Visibility generally good outwith cloud.

Temperature: **Valleys:** Plus 9 to 11 Celsius
At 800m: Plus 4 to 6 Celsius
Freezing level: Above summits

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2024. All Rights Reserved.

Mountain Weather Forecast

Ground Conditions Supplement
Date: Monday 23 December. Location Helvellyn summit at 11:30 Full report:
Rising temperatures through the day. The morning (Monday) started with a mottled snow cover above 400m with more consistent cover by Red Tarn at 550m where it was snowing and blowing around. The main footpaths at this height have been trampled and have a mixture of icy footprints and thaw/refreeze ice patches. Streams, becks and gills are flowing. The summit paths of Helvellyn were scoured of most snow and similarly have a thaw and refreeze of rimed ice on windward rock sides. Care needed. Fresh snow was falling and being blown onto the East side of the mountain, including Striding and Swirral Edges. Striding Edge exit slope has 30cm of deposited snow for the final 50m. Whilst this is soft and has steps kicked into it on the main track an ice axe will be useful for security in ascent or decent. Micro-spikes, giving additional grip on both the rock and thin snow of Striding Edge gave greater confidence.
Despite the light winds of the morning, full winter clothing was needed. Flat soled trainers and a single puffer jacket are not suitable. Additional safety kit should also be carried including a head torch at this time of year being close to the shortest day and limited daylight hours. Temperature: minus 1.3C. Maximum wind speed 19.0mph. Wind chill: minus 9.5C. Average wind speed: 16.2 mph.
Issued at: 1215 on Mon 23 Dec 2024

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2024. All Rights Reserved.